



RFE/RL, Inc.  
Munich, Germany

Packet Radio <DL1ABD @ DB0FSG.Deu.Eu>  
(+49) (0)89 / 702209, 2102-3620 <QRL>

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Date: 6 Jul 93 08:15:37 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ADD  
To: info-hams@ucsd.edu

add asqp-nop-05  
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Date: Tue, 06 Jul 93 05:40:24 GMT  
From: usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!cis.ohio-state.edu!mstar!  
n8emr!bulletin@network.UCSD.EDU  
Subject: ARRL Bulletin 68 ARLB068  
To: info-hams@ucsd.edu

=====  
| Automatic relayed from packet radio via |  
| N8EMR's Ham BBS, 614-895-2553 |  
=====

ZCZC AG10  
QST de W1AW  
ARRL Bulletin 68 ARLB068  
>From ARRL Headquarters Newington CT  
June 25, 1993  
Relayed by KB8NW/OBS & BARF-80 BBS  
To all radio amateurs

SB QST ARL ARLB068  
ARRL068 ARRL backs plan

The ARRL has filed comments supporting a Federal Communications Commission proposal to allocate 219-220 MHz to the Amateur Service on a secondary basis, nationwide, with just minor exceptions.

The proposal (in ET Docket 93-40) was aired in April and was based on a petition for rule making by the ARRL. It would allow amateur auxiliary station (point-to-point) packet backbone networks and other amateur point-to-point fixed communications in the new band.

The ARRL called the proposed allocation ''urgently needed by the Amateur Radio Service,'' saying it would ''be a great relief from difficult circumstances for the Amateur Service'' resulting from the

loss of 220-222 MHz in 1991.

The ARRL opposed the FCC proposal to limit data rate to 56 kilobauds, saying that would limit the next step in the evolution of high speed packet radio, and suggested the appropriate way to limit interference to shared and adjacent users was by specifying maximum bandwidth of signals.

The League also said that the new band should be available to all digital communications (not just 'data emissions') which otherwise comply with the technical rules applicable to amateur operation in the band, and that digital voice should be permitted (but that analog voice links should not).

The League also said it had had extensive consultations with Waterways Communications, the Automated Maritime Telecommunications System which now occupies 219-220 on a primary basis, and that it, the League, 'is confident as a result that amateur point-to-point operations can be 'engineered in' the 219-220 band without harmful interference to AMTS operations.

The Reply Comment deadline for this proposal is July 15, 1993. More information on the FCC proposal appears in QST for May 1993, p 86.  
NNNN

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Date: 5 Jul 93 20:27:16 GMT  
From: olivea!isc-br!tau-ceti!comtch!opus-ovh!bmork@uunet.uu.net  
Subject: Computer interface for Yaesu FT757GX  
To: info-hams@ucsd.edu

wrb@cbnews.cb.att.com (wallace.r.blackburn) writes:

> especially in this case. The 757 does not send data to the computer, it is  
> a one-way connection from PC to the rig. Perhaps someone else will  
> describe one of the simpler methods (i.e. a diode).

Bingo! Actually, you'll need a transistor, too. The polarities of TTL serial data and RS232 serial data are opposite.

Feed the computer's +-12v into the base of a NPN through a resistor. Clamp the input of the transistor with a diode. Feed the collector of the transistor with a +5v supply through a pullup resistor. Generate the +5v supply from the serial port, clamped with a zener diode.

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Brian Mork    Internet bmark@opus-ovh.spk.wa.us  
  . . .    Amateur Radio ka9snf@wb7nnf.#spokn.wa.usa  
.. . .    USMail 6006-B Eaker, Fairchild, WA 99011

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Date: 6 Jul 93 06:40:48 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 05 July  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 186, 07/05/93  
10.7 FLUX=100.5    90-AVG=112            SSN=099            BKI=2210 1010    BAI=002  
BGND-XRAY=B2.0        FLU1=2.7E+05    FLU10=1.1E+04    PKI=2311 2122    PAI=006  
  BOU-DEV=015,018,008,002,006,004,008,004    DEV-AVG=008 NT        SWF=00:000  
  XRAY-MAX= C1.4    @ 2329UT        XRAY-MIN= B1.8    @ 1257UT        XRAY-AVG= B3.2  
NEUTN-MAX= +002%    @ 2325UT        NEUTN-MIN= -002%    @ 2215UT        NEUTN-AVG= -0.1%  
  PCA-MAX= +0.0DB    @ 2355UT        PCA-MIN= -0.4DB    @ 2250UT        PCA-AVG= -0.0DB  
BOUTF-MAX=55368NT @ 1400UT        BOUTF-MIN=55328NT @ 1743UT        BOUTF-AVG=55352NT  
GOES7-MAX=P:+000NT@ 0000UT        GOES7-MIN=N:+000NT@ 0000UT        G7-AVG=+074,+000,+000  
GOES6-MAX=P:+117NT@ 1637UT        GOES6-MIN=N:-081NT@ 0312UT        G6-AVG=+098,-019,-049  
  FLUXFCST=STD:100,095,095;SESC:100,095,095    BAI/PAI-FCST=010,015,015/010,020,015  
  KFCST=2234 1222 2234 1222    27DAY-AP=014,008        27DAY-KP=4433 3332 3322 2222  
  WARNINGS=\*SWF  
  ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 04 JUL 93 is not available.  
  The Full Kp Indices for 04 JUL 93 are: .    3- 3- 3-    1+ 2+ 2- 3-

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Date: 6 Jul 93 08:16:18 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Delete  
To: info-hams@ucsd.edu

delete asqp-nbf

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Date: Tue, 6 Jul 1993 04:36:38 GMT  
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!newsrelay.iastate.edu!  
news.iastate.edu!bwehr@network.UCSD.EDU  
Subject: Diamond RH-77 is it worth it ???  
To: info-hams@ucsd.edu

I was interested in buying the Diamond RH-77 for my W2-A and I was wondering

if it is worth a hoot. It seems that the stock antenna could use some improvement.

If anyone has any experience with dual band duckies let me know via E-Mail

Brant Wehr N0UTT

bwehr@iastate.edu

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Date: 5 Jul 93 18:08:47 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Headsets and ham radio  
To: info-hams@ucsd.edu

A convergence of ideas:

1. At field day I operated a 20m phone station (set up by an employee of Boeing, I presume, even had an aircraft cockpit 24 hour clock!) that used a pair of FlightCom headsets arranged in an intercom system so the op and logger could talk but not be distracted by surrounding noise. A foot operated PTT TXed whatever was being spoken (by either person -- not the best way to do it IMHO!). I liked this arrangement -- very easy to use, minimises distractions without isolating the op from the logger.

2. The New Products section of July QST has a little piece on a Heil headset (with a famous Heil element in the mike -- choice of three broadcast quality, regular comms and DXer -- in order of decreasing signal response). These are \$140 each.

Are you using a headset on you station? Which one? Why did you choose this? Do you use a manual or foot operated PTT or VOX? Anyone using surplus headsets from Fair Radio Sales?

Ideas welcome -- mail them to the group to stimulate discussion.

Kevin Purcell N7WIM / G8UDP  
a-kevinp@microsoft.com

"We conjure the spirits of the computer with our spells"

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Date: Tue, 6 Jul 93 02:40:43 GMT  
From: mnemosyne.cs.du.edu!nyx!jmaynard@uunet.uu.net  
Subject: Headsets and ham radio  
To: info-hams@ucsd.edu

BTW, I have in my files an intercom design for aviation use, developed by a rec.aviation reader; the file is quite long, but includes an ASCII graphic of the schematic. If there's interest, I'll get his permission, and post it to an FTP site somewhere.

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Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.  
"If my car ran OS/2, it'd be there by now" -- bumper sticker

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Date: Tue, 6 Jul 93 02:38:40 GMT  
From: mnemosyne.cs.du.edu!nyx!jmaynard@uunet.uu.net  
Subject: Headsets and ham radio  
To: info-hams@ucsd.edu

Hm. This sounds like someone used their aviation intercom and headsets. That could actually be a Very Good Thing for crowded operations...I considered getting my David Clamp...uh...David Clark DC10-20 out of my flight bag, but shouting at the screaming kids worked about as well, and without the head-vice effect. :-)

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Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.  
"If my car ran OS/2, it'd be there by now" -- bumper sticker

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Date: Tue, 6 Jul 1993 03:45:28 GMT  
From: usc!wupost!csus.edu!netcom.com!netcomsv!bongo!julian@network.UCSD.EDU  
Subject: Headsets and ham radio  
To: info-hams@ucsd.edu

In article <9307051806.AB06478@netmail.microsoft.com> a-kevinp@microsoft.COM  
(Kevin Purcell, Rho) writes:

>

>Are you using a headset on you station? Which one? Why did you choose  
>this? Do you use a manual or foot operated PTT or VOX? Anyone using  
>surplus headsets from Fair Radio Sales?

My favourite set up, especially for satellite duplex use is a  
headset with a foot switch for PTT.

My favourite headset is actually a Plantronics telephone headset. Next I use a crummy old pair of Radio Shack headphones. The "boom" mike is a Primo element salvaged from a broken CB mike and held onto the headset with a pice of wire from coathanger and some hot melt glue. It is ugly but it works.

--

Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495  
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

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Date: 5 Jul 1993 18:50:02 -0500  
From: swrinde!cs.utexas.edu!not-for-mail@network.UCSD.EDU  
Subject: Kenwood TS680?  
To: info-hams@ucsd.edu

Someone has offered me a Kenwood TS680 for \$850. The problem is that I don't have a clue as to whether or not this is a good price. The radio seems to be a predecessor of the TS690: all mode, includes 6 m, c.1988. It is in excellent physical condition (he \*says\* he hardly used it) and I have confirmed that it works on all bands/modes.

Is this a reasonable price???

I am also curious to find a source for pricing info so I can figure these things out for myself. :-)

(he also has a KNWD TM201B 45 W, 2 m mobile for \$350, but I'm not looking for a 2 m mobile :-)

Peter Laws | "The '90s are gonna make the '60s|plaws@uafhp.uark.edu  
n5uwy@ka5bml.ar.usa.noam| look like the '50s" --D. Hopper|plaws@uafsysb.bitnet

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Date: Mon, 5 Jul 1993 20:00:48 GMT  
From: csus.edu!netcom.com!netcomsv!bongo!julian@decwrl.dec.com  
Subject: Recharging ALKALINE batteries  
To: info-hams@ucsd.edu

In article <1993Jul5.132848.17392@gagme.chi.il.us> gst@gagme.chi.il.us (George Thurman) writes:

>This my be sort of off-topic for this newsgroup, but I thought I would  
>ask anyway.

>

>I have seen recently on TV a product being advertised called the

>"Buddy-L Super Charger". This is a battery charger designed to  
>recharge ALKALINE batteries. They claim that thier charger is safe  
>to use, and that you can ignore the warning message on Alkaline batteries  
>when you use THIER charger.

>

>I am considering ordering this charger, but I would like to talk  
>to someone who has one first.

>

>Does anyone reading this have this product. Does anyone know of  
>any other ALKALINE battery chargers manufactured by other companies.

I am not a chemist. I am sure a chemist would be able to explain  
why primary cells can not be charged.

This recharging of primary cells pops up now and again. In  
fact when I first came across it, it was explained that only carbon  
zinc cells could be recharged and only if they were not completely  
flat. Furthermore, the charging current had to be DC with an AC  
component. I first saw this in an RSGB publication, I think Pat  
Hawker's column.

I built one of these chargers. Without doing a controlled  
experiment, I would say that they did not increase the life of my  
batteries. The only effect I was able to notice was that one cell  
exploded and left black crud all over the ceiling.

If you seriously think that someone has discovered that  
Mallory and Union Carbide have lied to us for all these years and you  
can really recharge Alkaline batteries, how come it has taken Dick  
Clark and this long for the secret to come out?

Also, how come no-one has built a "made for recharging"  
alkaline?

I don't think the shareholders of Union Carbide or the  
manufacturers of Ni-Cads are too worried.

--

Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495  
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

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Date: Mon, 5 Jul 1993 21:54:52 GMT



From: swrinde!cs.utexas.edu!utnut!helios.physics.utoronto.ca!  
sysjohn@network.UCSD.EDU  
Subject: Recharging ALKALINE batteries  
To: info-hams@ucsd.edu

In article <1993Jul5.132848.17392@gagme.chi.il.us> gst@gagme.chi.il.us (George Thurman) writes:

# This my be sort of off-topic for this newsgroup, but I thought I would  
# ask anyway.

#

# I have seen recently on TV a product being advertised called the  
# "Buddy-L Super Charger". This is a battery charger designed to  
# recharge ALKALINE batteries. They claim that thier charger is safe  
# to use, and that you can ignore the warning message on Alkaline batteries  
# when you use THIER charger. This was a half-hour infomercial seen  
# on local TV, and several time on Cable. Program was put together very  
# well and was hosted by Dick Clark.

#

# I am considering ordering this charger, but I would like to talk  
# to someone who has one first.

#

#

#

# Does anyone reading this have this product. Does anyone know of

Not sure how well it works.

# any other ALKALINE battery chargers manufactured by other companies.

There were at least two potential companies (one Canadian based and  
other U.S. based?) doing this. I THINK Duracell (batteries being their  
bread and butter) had taken more of a hit in the stocks prices than other  
battery companies when it looked like the prototypes worked. The  
"Buddy-L Super Charger" is the first one to be introduced. I expected  
them to be out before Christmas this year - maybe another one will come  
out soon.

#

#

# Thanks

#

# George S. Thurman

# --

# GEORGE S. THURMAN

(312) 509-6308

gst@gagme.chi.il.us

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Johnny Chee Wah, University of Toronto, Dept. of Physics  
60 St. George St., Rm 803, Toronto, Ontario, Canada. M5S 1A7  
Email: johncw@physics.utoronto.ca / johncw@utordop.bitnet  
Voice: 416 978 2746 FAX: 416 978 8221

-----  
Date: Tue, 6 Jul 1993 03:11:18 GMT  
From: csus.edu!netcom.com!grady@decwrl.dec.com  
Subject: Recharging ALKALINE batteries  
To: info-hams@ucsd.edu

I've successfully recharged alkalines, but of course it's sort of a crap shoot where the ion migration from the case causes the first leak... I suppose it could be cost effective for a really cheap 2D cell \$2.50 flashlight, but you are nuts if you think I'm going to use recharged alkalines within a \$400 shortwave radio or a \$500 HT.

In third-world countries exhausted AA alkalines are routinely sold in the market to be recharged and re-used, but these are frugal cultures where lightbulbs are recycled into nifty kerosene lamps...

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grady@netcom.com Moby lexicons voice/fax (707) 826-7715

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Date: 5 Jul 93 23:44:08 GMT  
From: munnari.oz.au!metro!mippet.ci.com.au!eram!dave@uunet.uu.net  
Subject: REQUESTING CUSTOM CALLSIGNS ???  
To: info-hams@ucsd.edu

In article <219q5l\$he7@usenet.INS.CWRU.Edu>,  
dd711@cleveland.Freenet.Edu (Charles W. Reti) writes:

| Another comment (mild FCC flame?) is that I find it amazing how,  
| in countries with supposedly more inept bureaucracies than those  
| in the U.S., special event calls, contest calls, etc. are issued

Of course, we in countries with supposedly more inept bureaucracies than those in the U.S. have to pay a regular fee for our licences (in Australia, it's \$35/year). Sounds like you're getting precisely the service you are paying for...

PS: Callsigns over here are reissued when they expire.

--

Dave Horsfall (VK2KFU)      VK2KFU @ VK2RWI.NSW.AUS.OC      PGP 2.3  
dave@esi.COM.AU      ...muninari!esi.COM.AU!dave      available

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Date: 6 Jul 93 22:21:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: suscribe  
To: info-hams@ucsd.edu

add asqp-nop-05 info-hams

add info-hams asqp-nop-05@zama-emh1.army.mil

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Date: Fri, 25 Jun 1993 17:43:29 MDT  
From: destroyer!cs.ubc.ca!alberta!adec23!ve6mgs!usenet@uunet.uu.net  
Subject: Two-Line Orbital Element Set: Space Shuttle  
To: info-hams@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are carried on the Celestial BBS, (513) 427-0674, and are updated daily (when possible). Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using 8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation and software are also available via anonymous ftp from archive.afit.af.mil (129.92.1.66) in the directory pub/space.

STS 57

1	22684U		93176.34027777	.00002546	00000-0	47167-4	0	15
2	22684	28.4576	287.3104	0060210	36.6531	180.8757	15.44167265	584

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Dr TS Kelso	Assistant Professor of Space Operations
tkelso@afit.af.mil	Air Force Institute of Technology

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Date: Mon, 28 Jun 1993 22:40:37 MDT  
From: usc!math.ohio-state.edu!caen!destroyer!cs.ubc.ca!alberta!adec23!ve6mgs!usenet@network.UCSD.EDU  
Subject: Two-Line Orbital Element Set: Space Shuttle  
To: info-hams@ucsd.edu

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Element sets (also updated daily), shuttle elements, and some documentation and software are also available via anonymous ftp from archive.afit.af.mil (129.92.1.66) in the directory pub/space.

STS 57

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1 22684U 93 37 A 93178.93749999 .00002547 00000-0 46413-4 0 194
2 22684 28.4574 269.1709 0060822 66.5999 220.8271 15.44563407 988
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Dr TS Kelso  
tkelso@afit.af.mil

Assistant Professor of Space Operations  
Air Force Institute of Technology

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Date: Tue, 6 Jul 1993 08:00:29 GMT  
From: news.tele.fi!news.funet.fi!funic!nntp.hut.fi!talтта.hut.fi!  
s35143p@uunet.uu.net  
Subject: Wanted 8051 or SAB80537 c-compiler  
To: info-hams@ucsd.edu

Does anyone know where to get a c-compiler for 8051 or SAB80537.  
Any pointers are welcome.

Reply by email: s35143p@talтта.hut.fi

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Date: Tue, 6 Jul 1993 04:04:11 GMT  
From: usc!math.ohio-state.edu!darwin.sura.net!ra!wave9i.nrl.navy.mil!  
jc@network.UCSD.EDU  
Subject: what's a good proce for a TH 77a with extras ?  
To: info-hams@ucsd.edu

Greetings everyone -

I was wondering if there were any thoughts on the price for asome  
kenwood gear.

TH 77 A (2m/440 ht)

BC 10 fast charger

3 BP 6 battery packs

headset (real kenwood)  
speakermic (again Kenwood)  
DC-DC for the car.

I found it all at a pawn shop. They are aware that they aren't allowed to transmit without a license, there's no manual , and I had a hard time figuring out how to use it. The asking price is \$400. It al looks in good condition. The sales person said that it was sold by a chap who had lost his job, so I belive that it wasn't stolen.

Thanks for your thoughts.

de  
John/NA3J  
jc@wave9i.nrl.navy.mil

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End of Info-Hams Digest V93 #822  
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